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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/571,318

03/09/2006

Dietmar Koopmann

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EXAMINER

CHEN, YUAN L

ART UNIT

PAPER NUMBER

4193

MAIL DATE

DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/571,318	Applicant(s) KOOPMANN ET AL.	
	Examiner Yuan L. Chen	Art Unit 4193	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 March 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>7/20/2006</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities: "latter=s" in page 4 line 19 should be changed to --latter's--. Appropriate correction is required.

Claim Objections

2. Claims 1 – 7 are objected to because of the following informalities due to inconsistent terminologies: "coupling point" in Claim 1 lines 5, 9, and 12 should be changed to --coupling location--, "receiving point" in Claim 1 lines 5, 10, and 13 should be changed to --receiving location--, and "roll mantle" in claim 1 line 14 should be changed to --roll mandrel--. Note that claims 2-7 are objected to because they include the informalities of claim 1. Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1- 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Alois Thole (Patent No.: GB 2327252).

With respect to Claim 1, Thole discloses in Fig. 1 and page 4 lines 7 – 10 and page 5 lines 4 – 7: a printing unit having

at least one replaceable roll mandrel (1) of a printing roll or anilox roll, which (1) may be mounted on one (right) end,

a coupling device (9), which receives a typically front-side coupling location (exterior of the conical end 23) of the roll mandrel (1) on its (9) receiving location (11) and transmits the torque required for rotating (braced together, see page 5 line 4) the roll mandrel (1) thereto (1),

the coupling device (9) and the roll mandrel (1) being implemented in such a way that the coupling location (exterior of the conical end 23) of the roll mandrel (1) may be brought to the receiving location of the coupling device (9) through an axial (page 4 line 9) movement of the roll mandrel (1), characterized in that either the roll mandrel (1), at its coupling location (exterior of the conical end 23), or the receiving location (11) of the coupling device (9) tapers (page 4 line 9) in the axial (page 4 line 9) direction of the roll mandrel (1).

With respect to Claim 2, Thole also discloses in page 5 lines 4 - 7: printing unit according to claim 1 characterized in that

either the roller mandrel (1) at its coupling location (exterior of the conical end 23) or the receiving location (11) of the coupling device (9) tapers (page 5 line 7) conically (page 4 line 5) in the axial direction of the roller mandrel (1).

With respect to Claim 3, Thole also discloses in page 5 line 1: printing unit according to claim 1, characterized in that the coupling location (exterior of the conical

end 23) of the roller mandrel (1) tapers and is located at one end (23) of the roller mandrel (1).

With respect to Claim 4, Thole also discloses in Fig. 1 and page 4 lines 23 - 28: printing unit according to claim 1, characterized in that the coupling device (4), which occupies the coupling location (exterior of the conical end 23) of the roller mandrel at the receiving location (11) of the coupling device (4) clasps a bearing journal (15) with a fastener (17) that (17) engages in the radial direction centrally (page 4 line 23) at the end (23) of the roller mandrel (1).

With respect to Claim 5, this claim is rejected as the same reason applied to Claim 3.

With respect to Claims 6 and 7, these claims are rejected as the same reason applied to Claim 4.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Reference of Wallmann (Patent No.: US 5174207) discloses a rotary printing machine with an easily and rapidly mountable cylinder. Reference of Luebke (Patent No.: US 5137495) discloses a shaft coupling allowing for an offset of axis.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yuan L. Chen whose telephone number is 571-270-

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3799. The examiner can normally be reached on Monday-Friday 7:30 AM to 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Long Nguyen can be reached on 571-272-1753. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Yc

/Long Nguyen/
Supervisory Patent Examiner
Art Unit 4193